

ENGINEERING STANDARDS UPDATE

Standards are serious business, but this newsletter isn't.

This is the monthly newsletter of the LANL Conduct of Engineering Office's Engineering Standards Program. The Standards define the minimum technical requirements for the design, fabrication, construction, commissioning, repair, and replacement of both new and existing equipment and facilities, including both maintenance and modification, for programmatic and facility work at LANL [[PD340](#)].

Topics this month:

- **Engineering Management Changes**
- **Electrical POC Change**
- **IHS Online Standards Interface Changing**
- **CoE Training (Including Standards Course) Changes**
- **PE-taking EE Seeks Others**
- **Safety Instrumented Systems Course June 20-21**
- **LANL Standards Issued in May**
- **DOE Technical Standards Actions**
- **When Good Conduct of Engineering Isn't Followed**

The Standards Homepage: <http://engstandards.lanl.gov/>

“The only person who likes change is a baby in a wet diaper...” -- Anon
“...so get over it.” – Me, just now

ENGINEERING MANAGEMENT CHANGES

Engineering Services Division Leader Dan Steinberg left the Lab last Friday. Dan had been here since the contract change in June 2006 and was also LANL's Building Official (LBO) and first-ever Site Chief Engineer. We wished him well, celebrating his achievements with sweet foods – perhaps his only detectable weakness while performing those job functions.

As a result of Dan leaving, CoE Office Director Larry Goen has become the acting ES Div Leader and Site Chief Engineer. Also, a new face, Bill Kerley, has joined LANL as the ES-Div Deputy from the Idaho Cleanup Project (and SRS before that).

Larry remains the CoE Office Director, supervising Gurinder and I, and the final authority for revisions, variances, and interpretations of CoE documents. This includes the IBC Program and most of the other chapters of the LANL Engineering Standards as he is the Safety Management Program Owner for Engineering; Kerley is his alternate for same.

Also, with Steve Diamond's retirement as ES Design Engineering Group Leader, Doug Volkman is acting in that role and is thus a Deputy LBO along with Jim Streit, Fire Marshal.

Confused? The Standards website's POC listing has been updated to reflect all this, other sites soon. As always, CoE issues should first be raised to the POC for the document in question; POCs can facilitate resolution with Larry as needed through his admin Teresa Sparks.

ELECTRICAL POC CHANGE

When David Powell retired in December, ES-DE Electrical Team Leader Joseph Sanchez took over as Electrical Standards POC, presiding over ESM Chapter 7 and the associated specs and drawings (but not NEC electrical safety per se, see P101-13). Effective May 21, Duane Nizio was pried from MSS and began in ES-DE as the POC, with Joseph as alternate. You can reach Duane at: nizio@lanl.gov, 667-3217, cell 699-3827.

IHS ONLINE STANDARDS INTERFACE CHANGING

Per a webinar this am, IHS is updating their "Standards Expert" search interface to "Version 5.0", probably late June or early July. It's similar enough to current look-and-feel that few should have problems adjusting, but will be better in a few ways: type ahead, spell check, more flexible and intuitive Boolean search syntax, presenting results in decreasing relevance as the default, lemmatization when keyword searching, etc.

What's lemmatization, you ask? Small rodents jumping off a cliff?

No, actually, it's "a linguistics term, the process of grouping together the different inflected forms of a word so they can be analysed as a single item," per Wikipedia. The example IHS used actually did involve small rodents: Version 5.0 will return hits for mouse and mice even if you only input "mice."

This is different from stemming, where walk = walks = walking, etc. (and which 5.0 will also do).

LANL onsite employees access IHS through the Research Library via their page or the Standards homepage, or directly [here](#).

COE TRAINING (INCLUDING STANDARDS COURSE) CHANGES

Last month I first sent this schedule with major errors that were caught by an alert reader, and I so almost immediately resent the Update, correcting that. Here it is again, with TB rescheduled and further corrected for Work Control's course number.

Anyone who was scheduled or waitlisted for any of these classes previously will be automatically enrolled for the new course date by registrar Yolanda J. Trujillo, yjtrujillo@lanl.gov, 665-5696. She sends email confirmation about a week prior to courses. If UTrain enrollment doesn't work, contact Yolanda if you wish to enroll, cancel, etc. Another training round is being planned for October-December.

June-August 2012 Cycle Taught in MSL Auditorium (TA-3 Bldg 1698, directly across from CMR)

DATE	ITEM	COURSE TITLE	INSTRUCTOR	TIME
6.07.12	43662	Quality	Dan Tepley	8 am - 5 pm
6.27.12	43668	Project Engineering Processes	Mike Clemmons	1 - 5 pm
7.11.12	24140	Engineering Standards Introduction	Tobin Oruch	8 am - 5 pm
8.01.12	43665	Support to Operations and Maintenance	Gurinder Grewal	8 am - 5 pm
8.08.12	43667	Maintenance Processes	Kyle Carr	8 am - noon
8.08.12	40979	Work Control Processes	Kyle Carr	1 - 5 pm
8.15.12	43663	Technical Baseline (resched.from 5/23)	Gurinder Grewal	8 am - 5 pm

PE-TAKING EE SEEKS OTHERS

Budgets are tightening, so I'm now running personal ads to help pay the bills.

I'm an electrical engineer in ES-DE looking for study partners for the October PE exam for Electrical and Computer: Power.

Have interested parties contact me at 6-1590. Thanks, Chris Arnold

SAFETY INSTRUMENTED SYSTEMS COURSE JUNE 20-21

This is the 3rd month I've advertised this, and I promise it's the last.

The DOE National Training Center is sponsoring a course on the recently issued [DOE-STD-1195](#) here at LANL -- June 20-21, Canyon Complex Room 164. The course is SAF-281, Design of Safety Significant Safety Instrumented Systems Used at DOE Nonreactor Nuclear Facilities. There's NO COST and no reason to miss this local opportunity if you are a designer or safety basis professional involved in this.

The NTC course schedule fills are [here](#). The registration page is [here](#). One must create an account (if trouble, contact Ronald Jasper, 505-845-5170 x315), register for class SAF-281, and wait for an email from LANL's Janet Martinez (DOE employees use "CHRIS"). If you don't receive an approval email within 10 days, follow up with Janet.

LANL STANDARDS ISSUED IN MAY

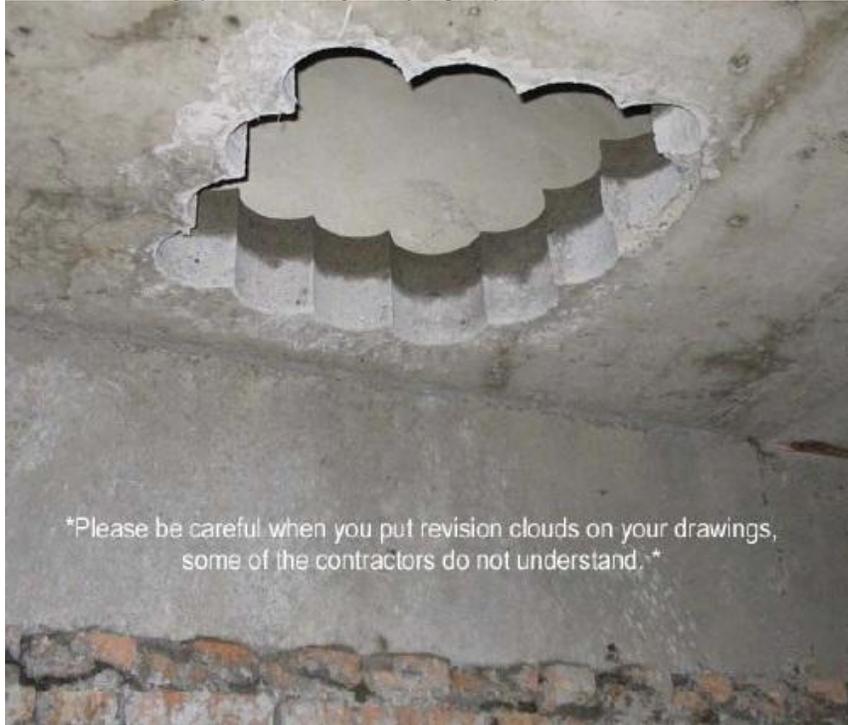
Master Specifications STD-342-200	
07 8400, R2 Clean Agent Fire-Extinguishing Systems	Requirement that FP-DO must review/accept submittals prior to install, plus definition and performance requirement clarification.
21 1313, R5 Wet-Pipe Sprinkler Systems	Requirement that FP-DO must review/accept submittals prior to install
21 1316, R4 Dry-Pipe Sprinkler Systems	ditto
21 1319, R4 Preaction Sprinkler Systems	ditto
21 1326, R4 Deluge Fire-Suppression Sprinkler Systems	ditto
21 1339, R4 Foam-Water Systems	ditto
21 2200, R2 Clean Agent Fire-Extinguishing Systems	ditto
Updated Exhibit I input template (link is atop the specs page) for these, plus other changes	

DOE TECHNICAL STANDARDS ACTIONS

New or revised DOE [Tech Stds](#) this past month: None

WHEN GOOD CONDUCT OF ENGINEERING ISN'T FOLLOWED

In our courses on standards and the CAD manual, we use things like this to illustrate why we need a CAD manual that has different line weights for clouding versus design features. This month's funny (unless it's your project) and teachable moment thanks to Karen Marsh.



LAST MONTH'S UPDATE TOPICS

Miss an issue? The archive is at "[Monthly Update](#)" on the Standards [homepage](#). Last month's topics:

- **May Is National Building Safety Month**
- **CoE Training – Including Standards Course**
- **Safety Instrumented Systems Course June 20-21**
- **Engineering Processes Changes**
- **LANL Standards Issued in April**
- **DOE Technical Standards Actions**
- **When Good Conduct of Engineering Isn't Followed**

To request a change to this newsletter's distribution, please contact me.

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